Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/04/2016 11:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124487	-1	2.57	124404	2.53
Blue	F	SSC	125000	123997	-1	4.84	125048	4.67
Blue	E	FITC	17224	16776	-3	3.48	947	9.15
Blue	D	PE	22462	21946	-3	3.06	989	8.38
Blue	B	PerCP-Cy5-5	63940	62636	-3	3.64	1650	12.96
Blue	A	PE-Cy7	72480	71549	-2	4.54	941	24.57
Red	C	APC	63778	63273	-1	2.62	3566	8.23
Red	A	APC-Cy7	97254	96256	-2	2.71	1908	8.04
Violet	B	V450	10730	10510	-3	3.78	654	8.45
Violet	A	V500	42147	41399	-2	3.44	2340	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19383	3.65	585	-35	N/A	N/A	Pass
Blue	F	SSC	61770	3.7	512	-15	N/A	N/A	Pass
Blue	E	FITC	102	35.66	514	-25	0.026	170	Pass
Blue	D	PE	204	24.55	509	-23	0.175	140	Pass
Blue	B	PerCP-Cy5-5	202	39.92	598	-16	0.0121	73	Pass
Blue	A	PE-Cy7	70	98.84	651	-22	0.0154	14	Pass
Red	C	APC	333	26.96	584	0	0.0207	35	Pass
Red	A	APC-Cy7	120	38.8	565	0	0.0047	873	Pass
Violet	B	V450	69	41.37	452	-22	0.0407	1474	Pass
Violet	A	V500	153	23.53	480	-23	0.0146	635	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.32	-31.01	0.81
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	15.47	13.28 - 19.92	N/A	N/A	31.58	31.79	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9581

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments